

Application No.: 10/025130

Case No.: 56008US002

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1-29. (Cancel)

30. (Original) An article comprising a backing, a pressure sensitive adhesive disposed on at least one major surface thereof, and a primer disposed on the pressure sensitive adhesive, wherein the primer comprises a polydiorganosiloxane polyurea copolymer comprising electron rich groups.

31. (Cancel)

32. (Original) The article of claim 30 wherein the backing is a release liner.

33-38. (Cancel)

39. (Previously presented) The article of claim 30, wherein the polydiorganosiloxane comprises tertiary amino groups that are all in a form of a Lewis base, pyridine groups that are all in a form of a Lewis base, or combinations thereof.

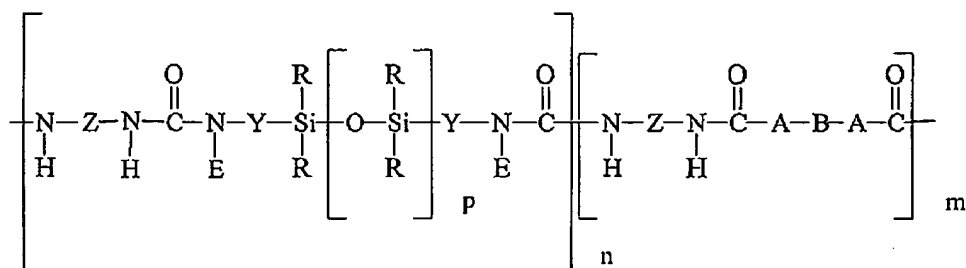
40. (Previously presented) The article of claim 30, wherein the primer further comprises a silicone tackifying resin.

41. (Previously presented) The article of claim 30, wherein the primer is an adhesive.

42. (Previously presented) The article of claim 30, wherein the polydiorganosiloxane polyurea copolymer comprises the following repeating unit:

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wherein

each R is independently an alkyl moiety, a vinyl moiety or higher alkenyl moiety, a cycloalkyl moiety, an aryl moiety, or a fluorine-containing group;

each Z is independently a polyvalent moiety that is an arylene moiety, an aralkylene moiety, an alkylene moiety, or a cycloalkylene moiety;

each Y is independently a polyvalent moiety that independently is an alkylene moiety, an aralkylene moiety or an arylene moiety;

each E is independently hydrogen, an alkyl moiety of 1 to 10 carbon atoms, phenyl, or a moiety that completes a ring structure including Y to form a heterocycle;

each A is independently oxygen or $-\text{N}(\text{G})-$, wherein each G is independently hydrogen, an alkyl moiety of 1 to 10 carbon atoms, phenyl, or a moiety that completes a ring structure including B to form a heterocycle;

B is an alkylene, aralkylene, cycloalkylene, phenylene, polyalkylene, polyalkylene oxide, copolymers, or mixtures thereof, or a moiety completing a ring structure including A to form a heterocycle; with the proviso that at least one B group includes an electron rich group;

m is a number that is 1 to about 1000;

n is a number that is equal to or greater than 1; and

p is a number that is about 5 or larger.

43. (Currently amended) An adhesive article comprising:

a foam backing comprising acid functional groups; and

a pressure sensitive adhesive disposed on at least one major surface of the backing, the pressure sensitive adhesive comprising

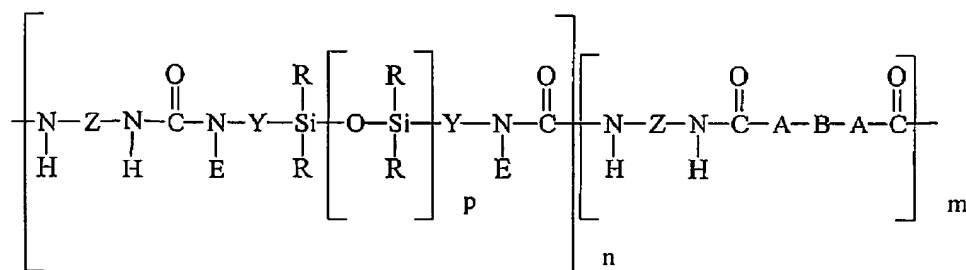
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(a) a polydiorganosiloxane polyurea copolymer comprising tertiary amine groups that are all in a form of a Lewis base, pyridine groups that are all in a form of a Lewis base, or combinations thereof; and

(b) a silicone tackifying resin.

44. (Previously presented) The adhesive article of claim 43 wherein the polydiorganosiloxane polyurea copolymer comprises the following repeating unit:



wherein

each R is independently an alkyl moiety, a vinyl moiety or higher alkenyl moiety, a cycloalkyl moiety, an aryl moiety, or a fluorine-containing group;

each Z is independently a polyvalent moiety that is an arylene moiety, an aralkylene moiety, an alkylene moiety, or a cycloalkylene moiety;

each Y is independently a polyvalent moiety that independently is an alkylene moiety, an aralkylene moiety or an arylene moiety;

each E is independently hydrogen, an alkyl moiety of 1 to 10 carbon atoms, phenyl, or a moiety that completes a ring structure including Y to form a heterocycle;

each A is independently oxygen or $-\text{N}(\text{G})-$, wherein each G is independently hydrogen, an alkyl moiety of 1 to 10 carbon atoms, phenyl, or a moiety that completes a ring structure including B to form a heterocycle;

B is an alkylene, aralkylene, cycloalkylene, phenylene, polyalkylene, polyalkylene oxide, copolymers, or mixtures thereof, or a moiety completing a ring structure including A to form a heterocycle; with the proviso that at least one B group includes an electron rich group;

m is a number that is 1 to about 1000;

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n is a number that is equal to or greater than 1; and

p is a number that is about 5 or larger.

45. (Currently amended) The adhesive article of claim ~~[[44]]~~43 wherein the backing comprises poly(ethylene/acrylic acid), poly(ethylene/methacrylic acid), or poly(ethylene/vinyl acetate).

46. (Previously presented) The adhesive article of claim 44 wherein m is a number that is 1 to about 25, n is a number that is greater than 8, and p is a number that is about 40 to about 1500.

47. (Currently amended) The adhesive article of claim ~~[[42]]~~57 wherein the backing comprises a film backing or foam core backing.

48. (Currently amended) The adhesive article of claim ~~[[42]]~~43 wherein the backing comprises carboxylic acid groups, phosphoric acid groups, or sulfuric acid groups.

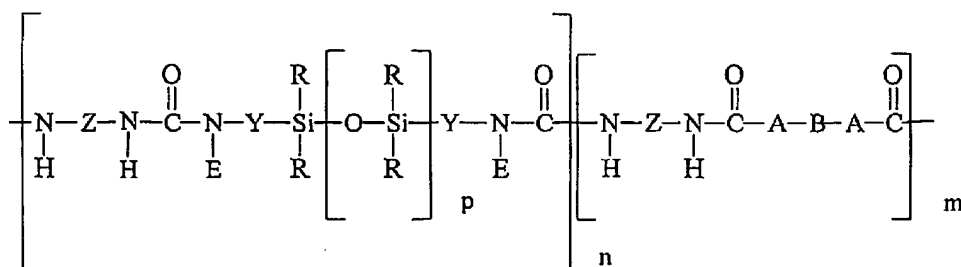
49. (Currently amended) The adhesive article of claim ~~[[42]]~~43 wherein the polydiorganosiloxane polyurea copolymer has tertiary amine groups selected from aliphatic or cycloaliphatic amine groups.

50. (Currently amended) A primed surface comprising:
a foam having a surface comprising acid functional groups; and
a primer comprising a polydiorganosiloxane polyurea copolymer comprising tertiary amine groups that are all in a form of a Lewis base, pyridine groups that are all in a form of a Lewis base, or combinations thereof.

51 (Currently amendend) The primed surface of claim ~~[[49]]~~ 50 wherein the polydiorganosiloxane polyurea copolymer comprises the following repeating unit:

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wherein

each R is independently an alkyl moiety, a vinyl moiety or higher alkenyl moiety, a cycloalkyl moiety, an aryl moiety, or a fluorine-containing group;

each Z is independently a polyvalent moiety that is an arylene moiety, an aralkylene moiety, an alkylene moiety, or a cycloalkylene moiety;

each Y is independently a polyvalent moiety that independently is an alkylene moiety, an aralkylene moiety or an arylene moiety;

each E is independently hydrogen, an alkyl moiety of 1 to 10 carbon atoms, phenyl, or a moiety that completes a ring structure including Y to form a heterocycle;

each A is independently oxygen or $-\text{N}(\text{G})-$, wherein each G is independently hydrogen, an alkyl moiety of 1 to 10 carbon atoms, phenyl, or a moiety that completes a ring structure including B to form a heterocycle;

B is an alkylene, aralkylene, cycloalkylene, phenylene, polyalkylene, polyalkylene oxide, copolymers, or mixtures thereof, or a moiety completing a ring structure including A to form a heterocycle; with the proviso that at least one B group includes an electron rich group;

m is a number that is 1 to about 1000;

n is a number that is equal to or greater than 1; and

p is a number that is about 5 or larger.

52. (Currently amended) The primed surface of claim [[50]]58 wherein the surface is a major surface of a film backing or a foam core backing.

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53. (Previously presented) The primed surface of claim 50 wherein the primer composition further comprises a tackifying resin.

54. (Previously presented) The primed surface of claim 50 wherein the acid groups comprise carboxylic acid groups, phosphoric acid groups, or sulfuric acid groups.

55. (Previously presented) The primed surface of claim 50 wherein the polydiorganosiloxane polyurea copolymer has tertiary amine groups selected from aliphatic or cycloaliphatic amine groups.

56. (Previously presented) The primed surface of claim 50 wherein the surface comprises poly(ethylene/acrylic acid), poly(ethylene/methacrylic acid), or poly(ethylene/vinyl acetate).

57. (New) An adhesive article comprising:
a backing comprising acid functional groups selected from carboxylic acid groups, phosphoric acid groups, or sulfuric acid groups, wherein the backing having carboxylic acid groups comprises poly(ethylene/acrylic acid), poly(ethylene/methacrylic acid), or poly(ethylene/vinyl acetate); and

a pressure sensitive adhesive disposed on at least one major surface of the backing, the pressure sensitive adhesive comprising

(a) a polydiorganosiloxane polyurea copolymer comprising tertiary amine groups that are all in a form of a Lewis base, pyridine groups that are all in a form of a Lewis base, or combinations thereof; and

(b) a silicone tackifying resin.

58. (New) A primed surface comprising:
a surface comprising acid functional groups selected from carboxylic acid groups, phosphoric acid groups, or sulfuric acid groups, wherein the surface having carboxylic acid groups

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comprises poly(ethylene/acrylic acid), poly(ethylene/methacrylic acid), or poly(ethylene/vinyl acetate); and

a primer comprising a polydiorganosiloxane polyurea copolymer comprising tertiary amine groups that are all in a form of a Lewis base, pyridine groups that are all in a form of a Lewis base, or combinations thereof.